

FORM PTO/D-449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NIH214.001C1APPLICATION NO.
10/718,547

SEP 02 2004

INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
Whitehead et al.FILING DATE
November 21, 2003GROUP
1648

(USE SEVERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS

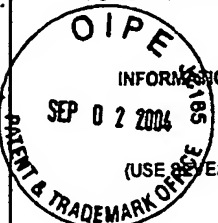
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	US 6,074,865	06/13/2000	Kelly et al.			
	2.	US 6,455,509	09/24/2002	Kochel et al.			

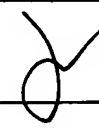

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	3.	Angsubhakorn, S. et al. 1994 "Dengue-3 (16562) PGMK 33 vaccine: neurovirulence, viremia and immune responses in <i>Macaca fascicularis</i> ," <i>Southeast Asian J. Trop. Med. Public Health</i> 25:554-559.
	4.	Bancroft W.H. et al. 1981 "Dengue-2 vaccine: virological, immunological, and clinical responses of six yellow fever-immune recipients," <i>Infect. Immun.</i> 31:698-703.
	5.	Bancroft, W.H. et al. 1984 "Dengue virus type 2 vaccine: reactogenicity and immunogenicity in soldiers." <i>J. Infect. Dis.</i> 149:1005-1010.
	6.	Bhamarapravati, N. et al. 2000 "Live attenuated tetravalent dengue vaccine." <i>Vaccine</i> 18(Suppl. 2):44-47.
	7.	Bhamarapravati, N. et al. 1997 "Live attenuated tetravalent dengue vaccine, p. 367-377. In D. J. Gubler, and G. Kuno (ed.), <i>Dengue and Dengue Hemorrhagic Fever</i> . CAB International, New York, N.Y.
	8.	Bhamarapravati N. et al. 1987 "Immunization with a live attenuated dengue-2-virus candidate vaccine (16681-PDK 53): clinical, immunological and biological responses in adult volunteers," <i>Bull World Health Organ.</i> 65:189-195.
	9.	Blaney J.E. Jr., et al. 2001 "Chemical mutagenesis of dengue virus type 4 yields mutant viruses which are temperature sensitive in vero cells or human liver cells and attenuated in mice." <i>J. Virol.</i> 75:9731-9740.
	10.	Blok, J. et al. 1992 "Comparison of a dengue-2 virus and its candidate vaccine derivative: sequence relationships with the flaviviruses and other viruses." <i>Virology</i> 187:573-590.
	11.	Bray, M. et al. 1996 "Monkeys immunized with intertypic chimeric dengue viruses are protected against wild-type virus challenge," <i>J. Virol.</i> 70:4162-4166.
	12.	Bray, M. et al. 1991 "Construction of intertypic chimeric dengue viruses by substitution of structural protein genes," <i>PNAS USA</i> 88:10342-10346.
	13.	Burke, D.S. et al. 1988 "A prospective study of dengue infections in Bangkok." <i>Am. J. Trop. Med. Hyg.</i> 38:172-180.



EXAMINER	DATE CONSIDERED 02/09/06
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

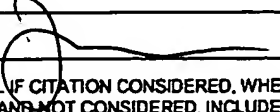
FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE 	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. NIH214.001C1 APPLICANT Whitehead et al. FILING DATE November 21, 2003	APPLICATION NO. 10/719,547 GROUP 1648
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	14. Butrapet, S. et al. 2000 "Attenuation markers of a candidate dengue type 2 vaccine virus, strain 16681 (PDK-53), are defined by mutations in the 5' noncoding region and nonstructural proteins 1 and 3." <i>J. Virol.</i> 74:3011-3019.
	15. CDC, 2000 "Public Health Dispatch: Outbreak of poliomyelitis – Dominican Republic and Haiti, 2000" <i>MMWR Morb. Mortal Wkly. Rep.</i> 49:1094-1104.
	16. Chambers, T.J. et al. 1999 "Yellow fever/Japanese encephalitis chimeric viruses: construction and biological properties," <i>J. Virol.</i> 73:3095-3101.
	17. Chang, G.-J. 1997 "Molecular biology of dengue viruses, p. 175-198. In D. J. Gubler, and G. Kuno (ed.), <i>Dengue and Dengue Hemorrhagic Fever</i> . CAB International, New York, N.Y.
	18. Chen, W. et al. 1995 "Construction of intertypic chimeric dengue viruses exhibiting type 3 antigenicity and neurovirulence for mice," <i>J. Virol.</i> 69:5186-5190.
	19. Cole, G.A. et al. 1969 "Pathogenesis of type 1 dengue virus infection in suckling, weanling and adult mice. 1. The relation of virus replication to interferon and antibody formation." <i>Am. J. Epidemiol.</i> 89:669-680.
	20. Cole, G.A. et al. 1973 "Pathogenesis of type 1 dengue virus infection in suckling, weaning and adult mice. II. Immunofluorescent and histological studies." <i>J. Comp. Pathol.</i> 83:243-252.
	21. Couvelard, A. et al. 1999 "Report of a fatal case of dengue infection with hepatitis: demonstration of dengue antigens in hepatocytes and liver apoptosis." <i>Hum. Pathol.</i> 30:1106-1110.
	22. Dunster, L.M. et al. 1999 "Molecular and biological changes associated with HeLa cell attenuation of wild-type yellow fever virus." <i>Virology</i> 261:309-318.
	23. Durbin A.P. et al. 2001 "Attenuation and immunogenicity in humans of a live dengue virus type-4 vaccine candidate with a 30 nucleotide deletion in its 3'-untranslated region." <i>Am. J. Trop. Med. Hyg.</i> 65:405-13.
	24. Eckels, K.H. et al. 1980 "Dengue-2 vaccine: preparation from a small-plaque virus clone." <i>Infect. Immun.</i> 27:175-180.
	25. Eckels, K.H. et al. 1984 "Selection of attenuated dengue 4 viruses by serial passage in primary kidney cells. V. Human response to immunization with a candidate vaccine prepared in fetal rhesus lung cells." <i>Am. J. Trop. Med. Hyg.</i> 33:684-689.
	26. Edelman, R. et al. 1994 "A live attenuated dengue-1 vaccine candidate (45AZ5) passaged in primary dog kidney cell culture is attenuated and immunogenic for humans." <i>J. Infect. Dis.</i> 170:1448-1455.
	27. Gubler, D.J. et al. 1998 "Dengue and dengue hemorrhagic fever," <i>Clin. Microbiol. Rev.</i> 11:480-496.
	28. Gubler, D. J. 1999 "Impact of dengue/dengue hemorrhagic fever on the developing world." <i>Adv. Virus Res.</i> 53:35-70.
	29. Guirakhoo, F. et al. 2000 "Recombinant chimeric yellow fever-dengue type 2 virus is immunogenic and protective in nonhuman primates." <i>J. Virol.</i> 74:5477-5485.
	30. Halstead, S.B. et al. 1977 "Dengue viruses and mononuclear phagocytes. II. Identity of blood and tissue leukocytes supporting in vitro infection." <i>J. Exp. Med.</i> 146:218-229.

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	31. Halstead, S.B. et al. 1969 "Dengue and chikungunya virus infection in man in Thailand, 1962-1964. IV. Epidemiologic studies in the Bangkok metropolitan area." <i>Am. J. Trop. Med. Hyg.</i> 18:997-1021.
	32. Hoke, C.H. Jr. et al. 1990. "Preparation of an attenuated dengue 4 (341750 Carib) virus vaccine. II. Safety and immunogenicity in humans," <i>Am J. Trop. Med. Hyg.</i> 43:219-226.
	33. Holbrook, M.R. et al. 2000 "The French neurotropic vaccine strain of yellow fever virus accumulates mutations slowly during passage in cell culture." <i>Virus Res.</i> 69:31-39.
	34. Huang, C.Y. et al. 2000 "Chimeric dengue type 2 (vaccine strain PDK-53)/dengue type 1 virus as a potential candidate dengue type 1 virus vaccine." <i>J. Virol.</i> 74:3020-3028.
	35. Huerre, M.R. et al. 2001 "Liver histopathology and biological correlates in five cases of fatal dengue fever in Vietnamese children." <i>Virchows Arch.</i> 438:107-115.
	36. Igarashi, A. 1997 "Impact of dengue virus infection and its control," <i>FEMS Immunol. Med. Microbiol.</i> 18:291-300.
	37. Innis, B.L. 1995 "Dengue and dengue hemorrhagic fever, p. 103-146. In J. S. Porterfield (ed.), <i>Exotic Viral Infections</i> . Chapman and Hall, London, United Kingdom.
	38. Innis, B L. et al. 1988 "Virulence of a live dengue virus vaccine candidate: a possible new marker of dengue virus attenuation." <i>J. Infect. Dis.</i> 158:876-880.
	39. Jennings, A.D. et al. 1994 "Analysis of a yellow fever virus isolated from a fatal case of vaccine-associated human encephalitis." <i>J. Infect. Dis.</i> 169:512-518.
	40. Kalayanarooj, S. et al. 1997 "Early clinical and laboratory indicators of acute dengue illness." <i>J. Infect. Dis.</i> 176:313-321.
	41. Kanesa-athan, N. et al. 2001 "Safety and immunogenicity of attenuated dengue virus vaccines (Aventis Pasteur) in human volunteers." <i>Vaccine</i> 19:3179-3188.
	42. Kraiselburd E. et al. 1985 "Quantity of dengue virus required to infect rhesus monkeys," <i>Trans. R. Soc. Trop. Med. Hyg.</i> 79:248-251.
	43. Kuo, C.H. et al. 1992 "Liver biochemical tests and dengue fever." <i>Am. J. Trop. Med. Hyg.</i> 47:265-270.
	44. Kurane, I. et al. 1990 "Dengue-2 virus infection of human mononuclear cell lines and establishment of persistent infections." <i>Arch. Virol.</i> 110:91-101.
	45. Lai, C.J. et al. 1991 "Infectious RNA transcribed from stably cloned full-length cDNA of dengue type 4 virus," <i>Proc Natl Acad Sci USA</i> 88:5139-5143.
	46. Lee, E. et al. 1997 "Changes in the dengue virus major envelope protein on passaging and their localization on the three-dimensional structure of the protein." <i>Virology</i> 232:281-290.
	47. Libraty, D.H. et al. 2001 "Human dendritic cells are activated by dengue virus infection: enhancement by gamma interferon and implications for disease pathogenesis." <i>J. Virol.</i> 75:3501-3508.
	48. Lin, Y.L. et al. 1998 "Study of dengue virus infection in SCID mice engrafted with human K562 cells." <i>J. Virol.</i> 72:9729-9737.
	49. Lin, Y.L. et al. 2000 "Infection of five human liver cell lines by dengue-2 virus." <i>J. Med. Virol.</i> 60:425-431.



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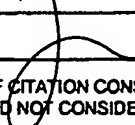
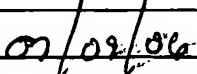
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
50.	Marianneau, P. et al. 1996 "Dengue 1 virus binding to human hepatoma HepG2 and simian Vero cell surfaces differs." <i>J. Gen. Virol.</i> 77:2547-2554.	
	51. Martin, J. et al. 2000 "The vaccine origin of the 1968 epidemic of type 3 poliomyelitis in Poland," <i>Virology</i> 278:42-49.	
	52. McKee, K.T., Jr. et al. 1987 "Lack of attenuation of a candidate dengue 1 vaccine (45AZ5) in human volunteers." <i>Am. J. Trop. Med. Hyg.</i> 36:435-442.	
	53. Men, R. et al. 1996 "Dengue type 4 virus mutants containing deletions in the 3' noncoding region of the RNA genome: analysis of growth restriction in cell culture and altered viremia pattern and immunogenicity in rhesus monkeys." <i>J. Virol.</i> 70:3930-3937.	
	54. Mohan, B. et al. 2000 "Hepatic dysfunction in childhood dengue infection." <i>J. Trop. Pediatr.</i> 46:40-43.	
	55. Monath, T.P. et al. 1999 "Recombinant, chimaeric live, attenuated vaccine (ChimeriVax™) incorporating the envelope genes of Japanese encephalitis (SA14-14-2) virus and the capsid and nonstructural genes of yellow fever (17D) virus is safe, immunogenic and protective in non-human primates," <i>Vaccine</i> 17:1869-1882.	
	56. Murgue, B. et al. 2000 "Prospective study of the duration and magnitude of viraemia in children hospitalized during the 1996-1997 dengue-2 outbreak in French Polynesia," <i>J. Med. Virol.</i> 60:432-438.	
	57. Nakabayashi, H. et al. 1982 "Growth of human hepatoma cell lines with differentiated functions in chemically defined medium." <i>Cancer Res.</i> 42:3858-3863.	
	58. Ni, H. et al. 1995 "Molecular basis of attenuation of neurovirulence of wild-type Japanese encephalitis virus strain SA14." <i>J. Gen. Virol.</i> 76:409-413.	
	59. Pletnev, A.G. et al. 1998 "Attenuation of the Langat tick-borne flavivirus by chimerization with mosquito-borne flavivirus dengue type 4," <i>PNAS USA</i> 95:1746-1751.	
	60. Puri, B. et al. 1997 "Molecular analysis of dengue virus attenuation after serial passage in primary dog kidney cells." <i>J. Gen. Virol.</i> 78:2287-2291.	
	61. Rosen, L. et al. 1999 "Detection of dengue virus RNA by reverse transcription-polymerase chain reaction in the liver and lymphoid organs but not in the brain in fatal human infection." <i>Am. J. Trop. Med. Hyg.</i> 61:720-724.	
	62. Sabin, A.B. et al. 1945 "Production of immunity to dengue with virus modified by propagation in mice," <i>Science</i> 101:640-642.	
	63. Sabin, A.B. 1952 "Research on dengue during World War II," <i>Am. J. Trop. Med. Hyg.</i> 1:30-50.	
	64. Sabin, A. 1955 "Recent advances in our knowledge of dengue and sandfly fever," <i>Am. J. Trop. Med. Hyg.</i> 4:198-207.	
	65. Scott, R.M. et al. 1980 "Isolation of dengue viruses from peripheral blood leukocytes of patients with hemorrhagic fever." <i>J. Infect. Dis.</i> 141:1-6.	
	66. Thein, S. et al. 1997 "Risk factors in dengue shock syndrome." <i>Am. J. Trop. Med. Hyg.</i> 56:566-572.	
▼	67. Theofilopoulos, A.N. et al. 1976 "Replication of dengue-2 virus in cultured human lymphoblastoid cells and subpopulations of human peripheral leukocytes." <i>J. Immunol.</i> 117:953-961.	

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	68.	Troyer, J.M. et al. 2001 "A live attenuated recombinant dengue-4 virus vaccine candidate with restricted capacity for dissemination in mosquitoes and lack of transmission from vaccinees to mosquitoes," <i>Am. J. Trop. Med. Hyg.</i> 65:414-419.
	69.	Valle, R.P et al. 1998 "Mutagenesis of the NS3 protease of dengue virus type 2." <i>J. Virol.</i> 72:624-632.
	70.	Vaughn D.W., et al. 2000 "Dengue viremia titer, antibody response pattern, and virus serotype correlate with disease severity," <i>J. Infect. Dis.</i> 181:2-9.
	71.	Vaughn, D.W. et al. 1996 "Testing of a dengue 2 live-attenuated vaccine (strain 16681 PDK 53) in ten American volunteers." <i>Vaccine</i> 14:329-336.
	72.	Wahid, S.F. et al. 2000 "A comparison of the pattern of liver involvement in dengue hemorrhagic fever with classic dengue fever." <i>Southeast Asian J. Trop. Med. Public Health</i> 31:259-263.
	73.	Wang, E. et al. 1995 "Comparison of the genomes of the wild-type French viscerotropic strain of yellow fever virus with its vaccine derivative French neurotropic vaccine." <i>J. Gen. Virol.</i> 76:2749-2755.
	74.	Watts, D.M. et al. 1982 "Evaluation of <i>Toxorhynchites splendens</i> (Diptera: Culicidae) as a bioassay host for dengue viruses," <i>J. Med. Entomol.</i> 19:54-59.
	75.	Wisseman C.L. Jr., et al. 1963 "Attenuated living type 1 dengue vaccines," <i>Am J. Trop. Med. Hyg.</i> 12:620-623.
	76.	Wu, S.J. et al. 2000 "Human skin Langerhans cells are targets of dengue virus infection." <i>Nat. Med.</i> 6:816-820.

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STATEMENT BY APPLICANT		10/719,547	
(Multiple sheets used when necessary)		Art Unit	1648
SHEET 1 OF 1		Examiner	Schoiner, Laurie A. PARKER, JEFFERY
		Attorney Docket No.	NIH214.001C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
J	1	WO 00/57907 A1	10/05/2000	Whitehead et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
J	2	DATABASE NCBI 3 January 2001, XP0021317338 retrieved from NCBI accession no. GI:12018173; Database accession no. AF 326827	
	3	DATABASE NCBI 3 January 2001, XP002317339 retrieved from NCBI accession no. GI:2018169; Database accession no. AF326825	
	4	Durbin, Anna P. et al., "A recombinant live attenuated dengue virus type 4 vaccine candidate is highly attenuated and immunogenic in humans," Clinical Infectious Diseases, vol. 31, no. 1, July 2000, page 223	
	5	Hanley, Kathryn A. et al., "Paired charge-to-alanine mutagenesis of dengue virus type 4 NS5 generates mutants with temperature-sensitive, host range, and mouse attenuation phenotypes," Journal of Virology, vol. 76, no. 2, January 2002, pages 525-531	
	6	Lai, C. J. et al., "Evaluation of molecular strategies to develop a live dengue vaccine," Clinical and Diagnostic Virology, vol. 10, no. 2/3, 1998, pages 173-179	
	7	Marchette, N. J. et al., "Preparation of an attenuated dengue 4 (341750 carib) virus vaccine. I. pre-clinical studies," American Journal of Tropical Medicine & Hygiene, Lawrence, KS, US, vol. 43, no. 2, August 1990, pages 212-218	

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First Named Inventor Whitehead, Stephen S.

Art Unit 1648

Examiner ~~Chen, Stacy Brown~~ PARKIN, GREGORY

Attorney Docket No. NIH214.001C1

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SHEET 1 OF 2

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NON PATENT LITERATURE DOCUMENTS

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	1	BLANEY, Jr., J.E. et al. (2001) "Chemical mutagenesis of dengue virus type 4 yields mutant viruses which are temperature sensitive in vero cells or human liver cells and attenuated in mice" <i>J. Virol.</i> 75:9731-9740.	
	2	BLANEY, Jr. J.E. et al. (2002) "Genetic basis of attenuation of dengue virus type 4 small plaque mutants with restricted replication in suckling mice and an SCID mice transplanted with human liver cells" <i>Virology</i> 300:125-139.	
	3	BLANEY, Jr. J.E. et al. (2003) "Mutations which enhance the replication of dengue virus type 4 and an antigenic chimeric Dengue virus type 2/4 vaccine candidate in Vero cells" <i>Vaccine</i> 21:4317-4327.	
	4	BLANEY, Jr. J.E. et al. (2003) "Temperature sensitive mutations in the genes encoding the ns1, ns2a, and ns5 nonstructural proteins of dengue virus type 4 restrict replication in the brains of mice" <i>Arch. Virol.</i> 148:999-1006.	
	5	BLANEY, Jr. J.E. et al. (2004) "Genetically modified, live attenuated dengue virus type 3 vaccine candidates" <i>Am. J. Trop. Med. Hyg.</i> 71:811-821	
	6	BLANEY, Jr. J.E. et al. (2005) "Recombinant, live-attenuated tetravalent dengue virus vaccine formulations induce a balanced, broad, and protective neutralizing antibody response against each of the four serotypes in Rhesus monkeys" <i>J. Virol.</i> 79:5516-5528.	
	7	HANLEY, K.A. et al. (2002) "Paired charge-to-alanine mutagenesis of dengue virus type 4 ns5 generates mutants with temperature-sensitive, host range, and mouse attenuation phenotypes" <i>J. Virol.</i> 76:525-531.	
	8	HANLEY, K.A. et al. (2003) "A trade-off in replication in mosquito versus mammalian systems conferred by a point mutation in the ns4b protein of dengue virus type 4" <i>Virology</i> 312:222-232.	
	9	HANLEY, K.A. et al. (2004) "Introduction of mutations into the non-structural genes or 3' untranslated region of an attenuated dengue virus type 4 vaccine candidate further decreases replication in rhesus monkeys while retaining protective immunity" <i>Vaccine</i> 22:3440-3448.	
	10	WHITEHEAD, S.S. et al. (2003) "A live attenuated dengue virus type 1 vaccine candidate with a 30-nucleotide deletion in the 3' untranslated region is highly attenuated and immunogenic in monkeys" <i>J. Virol.</i> 77:1653-1657.	

Examiner Signature

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SHEET 2 OF 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	11	WHITEHEAD, S.S. et al. (2003) "Substitution of the structural genes of dengue virus type 4 with those of type 2 results in chimeric vaccine candidates which are attenuated for mosquitoes, mice, and rhesus monkeys" Vaccine 21:4307-4316.	

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Examiner Signature	Date Considered 07/09/06
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T¹ - Place a check mark in this area when an English language Translation is attached.